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# EDUCATION

## DEAKINUNIVERSITY

Master of Data Science

July 2022 | Melbourne, VIC

## BAHRIAUNIVERSITY

### Bachelors of Software

Engineering July 2018 | Islamabad, VIC

# COURSEWORK

## GRADUATE

Machine Learning & Deployment

Deep Learning

NLP & AI for Cybersecurity Analysis of Algorithms

# SKILLS

## PROGRAMMING

SQL • PL / SQL •.NET

C • C++ • C#

Python • FastAPI • Flask

GEN AI (GPT, Claude, OpenAI APIs) Model Training & Tuning • CI/CD

## TECHNOLOGY

Oracle Database • AWS • Azure

Database Indexing & Optimization

Stored Procs • Functions • Triggers

PL/SQL Performance Tuning ETL • Backup/Recovery • Data Modeling

# SOFTSKILLS

Stakeholder Collaboration Analytical Thinking Problem Solving

Time Management Cross-Functional Teamwork

# SOCIETIES

Deakin University Computer Society

(DUCS)

Scrum Alliance Certified ScrumMaster

## AIENGINEER|MACHINELEARNINGENGINEER

AI & ML specialist with expertise in NLP, deep learning, model deployment, and automation. Passionate about building AI-powered solutions that drive real-world impact. Experience in AI model deployment, MLOps, and cloud-based AI applications.

# PROJECTS

## AI-POWEREDDENTALAPPOINTMENTSCHEDULER

### Personal Project

January 2025 | Melbourne, VIC

* Developed an NLP-driven AI voice assistant for automated dental appointment booking, integrating speech-to-text (Whisper API) & text-to-speech (Google TTS) with 92% accuracy.
* Designed a scheduling algorithm using FastAPI, PostgreSQL, and .NET, achieving 100% automation of the booking process.
* Deployed the AI model using AWS Lambda & Docker, reducing response time by 30% and ensuring scalability.
* Improved booking accuracy by 30% based on user feedback and model retraining.

## AI-GENERATEDNO-CODEWEBSITE

### Personal Project

February 2025 | Melbourne, VIC

* Built a fully functional AI-powered website generator (www.civaroai.com) using GPT-driven code conversion and C++ for backend efficiency.
* Integrated an automated demo scheduling system via AI chatbots, reducing administrative workload by 30%.
* Increased website traffic by 15% through Google Search Console optimization.

## WECLAN

### Cyber Security Intern

April 2024 – July 2024 | Melbourne, VIC

* Developed a C-based security alert classifier with anomaly detection, reducing false positives by 25%.
* Conducted penetration testing automation using ML-based pattern recognition models, improving threat detection efficiency.
* Built dashboard visualizations to monitor compliance metrics using Power BI & Python.

## LEARNINGINSIGHTREPORT

### Research Project

July 2022 | Melbourne, VIC

* Developed ML models predicting financial stability with 90% accuracy, utilizing XGBoost & Random Forest.
* Designed interactive Tableau dashboards for audience engagement tracking.
* Conducted customer segmentation analysis for targeted business strategies.

## INTERACTIVEMEDICALDATADASHBOARD

### Hudson Institute of Medical Research

Oct 2021 | Melbourne, VIC

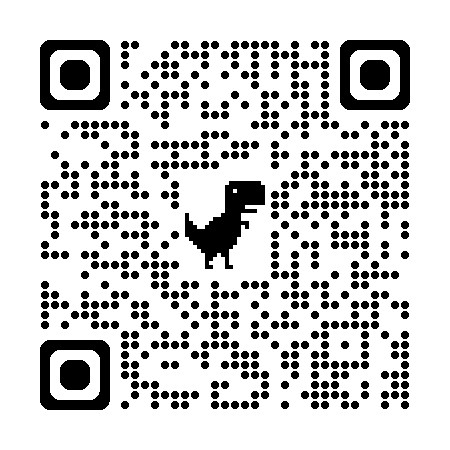
* Built real-time SQL-connected Tableau dashboards for enhanced medical data visualization.
* Collected, cleaned, and analyzed large-scale patient datasets for statistical insights.
* Assisted in developing predictive models for medical research applications.

# LINKS

Github:// https://github.com/umairsaeed01

com/profile/umairsaeed185770/wallet

LinkedIn:// https://www.linkedin.com/in/umirsaed/



**Certifications://** https://skillsoft.digitalbadges.skillsoft.com/profile/umairsaeed185770/wallet

1. Machine Learning with TensorFlow & Cloud ML
2. Storage & Analytics
3. Implementations with BigQuery for Big Data
4. Launching your IT career opportunities
5. Gaining Insight through Organizational Awareness
6. Using Performance Appraisals to Advance Your Career
7. Getting Your Career on the Right Track
8. Power Up: Turning on Your Self-starter Potential
9. Developing Your Business Acumen
10. Developing a Plan to Further Your Career
11. Math & Optimizations: Introducing Sets & Set Operations
12. SCOR: PKI & IKE
13. SCOR: Network Access & Secure Network Management
14. Emerging Technologies and IT Career Pathways
15. Getting Started with Machine Learning
16. How Blockchain Technology is Transforming Businesses
17. Agile Principles and Methodologies
18. Connecting with the Internet of Things
19. SCOR: Security Basics & Common Threats
20. Building and Training the Project Team (2021 Update)
21. New Project Manager Essentials
22. CBROPS: CVSS, Deployments, Access Control, & Data Visibility
23. Cultivating Cross-functional Team Collaboration
24. Enabling Business-IT Collaboration and Strategic Alignment
25. Strategies for Managing Technical Teams
26. CBROPS: The CIA Triad & Security Approaches
27. CBROPS: Threat Actors, Security, & Risk Management
28. Navigating IT Careers and Professional Environments
29. Building Digital Dexterity in Organizations
30. Developing Diplomacy and Tact
31. Building Trust with Business Ethics
32. RSTECH: Cisco Memory Functions & Removing Cisco Devices
33. Becoming a Continuous Learner
34. RSTECH: Networking Hardware, Models, & Technologies
35. RSTECH: Network Responsibilities, Addressing, & Utilities
36. Synchronize Goals to Optimize Your Team
37. Building Customer Relationships in a Virtual Environment
38. Learning from Failure and Success
39. Setting up your Individual & Team Learnings
40. Contributing as a Virtual Team Member
41. Facing Virtual Team Challenges